

CLAIMS

1/ A mold for making a plastics material piece, the mold comprising two parts defining between them a cavity corresponding to the piece that is to be made, each mold part having a peripheral zone for coming into contact with the peripheral zone of the other mold part, the two zones, when united, defining the joint face of the mold, wherein one of the mold parts is designed to receive a sheet and is made up of two blocks, namely a central block defining substantially the mold cavity and a peripheral block supporting the peripheral zone, the two blocks being suitable for sliding relative to each other in the mold closure direction, the peripheral block being movable so as to move the peripheral zone away from the edges of the sheet.

2/ A mold according to claim 1, wherein the peripheral block has actuators that control holding rods.

3/ A method of using a mold according to claim 1, said method comprising the following steps:

• placing a sheet for incorporation or overmolding in the piece that is to be made in the two-block part of the mold;

• moving the peripheral block so as to move the peripheral zone of said peripheral block away from the edges of the sheet;

• closing the mold by bringing the peripheral zone of the other mold part into contact with the peripheral zone of the peripheral block; and

• returning the peripheral block to the molding position while keeping the two peripheral zones in contact.

4/ A method according to claim 3, wherein the peripheral block is moved without displacing the sheet.

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under 1st
being a sheet

and that the peripheral sheet is not pushed in the joint face

5/ A method according to claim 4, wherein the peripheral block is moved without touching the sheet.

6/ A method of using a mold to make a plastics material piece, the mold comprising two parts defining between a cavity corresponding to the ^{desired shape} piece to be made, each mold part having a peripheral zone for coming into contact with the peripheral zone of the other mold part, the two zones, when united in this way, defining the joint face ^{peripheral} of the mold, one of the mold parts being made up of two blocks, namely a central block substantially defining the mold cavity and a peripheral block both supporting the peripheral zone and having actuators which control holding rods, the two blocks being suitable for sliding relative to each other in the mold closure direction, said method comprising the following steps:

- placing a reinforcing sheet for incorporation or overmolding in the ^{position} piece to be made in the two-block part of the mold;
- moving the peripheral block to move the peripheral zone away from the edges of the reinforcing sheet;
- actuating the actuators to bring the holding rods against the reinforcing sheet;
- retracting the actuators;
- closing the mold by bringing the peripheral zone of the other mold part into contact with the peripheral zone of the peripheral block; and ^{note that the reinforcing sheet is not pressed in the joint face}
- returning the peripheral block to ^a the molding position while keeping the two peripheral zones in contact.

7/ A method according to claim 6, wherein the reinforcing sheet is preformed outside the mold.

8/ A method according to claim 6, wherein the peripheral block is moved upwardly to move the peripheral zone away from the edges of the reinforcing sheet.

A B S T R A C T

in order to Mold to make a plastics material piece, this mold
(comprises) two parts defining between them a cavity
5 corresponding to the piece to be made, each mold part ^{has} has
a peripheral zone for coming into contact with the
peripheral zone of the other mold part, and the two
zones, when united in this way, define the joint face of
the mold. One of the mold parts is made up of two
10 blocks, namely a central block substantially defining the
mold cavity and a peripheral block supporting the
peripheral zone, the two blocks being suitable for
sliding relative to each other in the mold closure
direction, and the peripheral block being capable of
15 being moved so as to move the peripheral zone of said
peripheral block away from the edges of the sheet.